

The Dataverse Project for managing your research data

Sonia Barbosa
Manager of Data Curation, Harvard Dataverse
Manager of the Murray Archive



Today's Agenda

What is The Dataverse Project?

The Harvard Dataverse Repository

How the Dataverse software supports research data sharing

Dataverse collections, datasets, and files

Dataverse and FAIR data principles



The Dataverse Project

Open source research data repository software

Establish a research data management solution for your community. Federate with a growing list of Dataverse repositories worldwide for increased discoverability of your community's data.

Researchers enjoy full control over your data. Receive *web visibility, academic credit, and increased citation counts.*

Journals seamlessly manage the submission, review, and publication of data associated with published articles

Developers contribute code extensions, documentation, testing, and/or standards. *Integrate research analysis, visualization and exploration tools, or other research and data archival systems with the Dataverse Project.*



The Dataverse Project

IQSS leads the development of the open source Dataverse Project software

The [Open Data Assistance Program at Harvard](#) (a collaboration with **Harvard Library**, the **Office for Scholarly Communication** and IQSS), provides user support.

The **Library Technology Services at HUIT** provides hosting and backups support of the Harvard Dataverse Repository.



The Dataverse Project

Community

- [Community Meetings](#)
- [Community Calls](#)
- **[Global Dataverse Community Consortium](#)**

Best Practices

- [Academic Credit](#)
- [Data Citation](#)
- [Dataverse Community Norms](#)
- [Data Management](#)
- [Replication Dataset Guidelines](#)

Software

- [Goals, Roadmap, and Releases](#)
- [Collaborations](#)
- [Integrations](#)
- [Features](#)
- [Source Code](#)
- [Guides](#)

69 Installations





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The Harvard Dataverse Repository

HARVARD
Dataverse Support

Getting Started ▾ Curation Services Events Policies & Governance ▾ [Go to Harvard Dataverse](#)

Join a growing community of Harvard and worldwide researchers who share data in the Harvard Dataverse Repository

Publishing your data and code in the Harvard Dataverse Repository:

- Increases the visibility of your research
- Gets you credit for your data through citations
- Satisfies data sharing requirements from funders and journals

[GETTING STARTED WITH THE HARVARD DATAVERSE REPOSITORY](#)

[GO TO THE HARVARD DATAVERSE REPOSITORY](#)

The Harvard Dataverse Repository is a free data repository open to all researchers from any discipline, both inside and outside of the Harvard community, where you can share, archive, cite, access, and explore research data. Each individual Dataverse collection is a customizable collection of datasets (or a virtual repository) for organizing, managing, and showcasing datasets.

You can open your data to the general public, or restrict access and define customizable terms of use. When you publish your data, you automatically get a standard data citation with a Digital Object Identifier (DOI), and your metadata is open and findable via search engines, even when the data are restricted.



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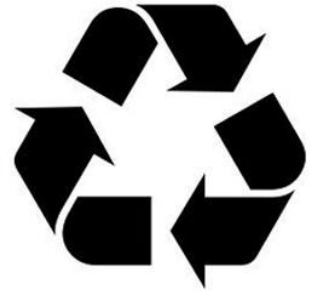
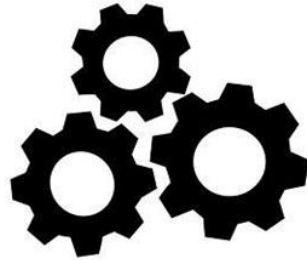
FAIR principles and Dataverse

Findable

Accessible

Interoperable

Reusable





Important Features that support data sharing

- Support for FAIR Data Principles
- Data citation for datasets and files
- OAI-PMH (Harvesting)
- APIs for interoperability and custom integrations
- Login via Shibboleth
- Login via ORCID, Google, or GitHub
- DataCite integration
- Usage statistics and metrics
- Schema.org JSON-LD
- Preview and analysis of tabular files
- External Tools
- Fixity checks for files
- Publishing workflow support
- File download in R and TSV format
- Versioning
- Custom Terms of Use
- Guestbook
- Faceted search
- File hierarchy
- Restricted files
- Customization of Dataverse Collections
- Dropbox integration
- Notifications
- Widgets
- User management
- Backend storage on S3 or Swift
- Mapping of geospatial files
- Handling large data
- Pull header metadata from Astronomy (FITS) files

A Dataverse Installation

Dataverse Collections

Collection

Collection

Collection

Datasets

Files

Meta data

Terms

versions



Permissions, workflows and roles

Edit Access



Who can add to this dataverse?

- Anyone adding to this dataverse needs to be given access
- Anyone with a Dataverse account can add sub dataverses
- Anyone with a Dataverse account can add datasets
- Anyone with a Dataverse account can add sub dataverses and datasets

When a user adds a new dataset to this dataverse, which role should be automatically assigned to them on that dataset?


- Contributor - Edit metadata, upload files, and edit files, edit Terms, Guestbook, Submit datasets for review
- Curator - Edit metadata, upload files, and edit files, edit Terms, Guestbook, File Restrictions (Files Access + Use), Edit Permissions/Assign Roles + Publish


Save Changes

Cancel




Permissions, workflows and roles

Users/Groups  All the users and groups that have access to your dataverse.


Roles  All the roles set up in your dataverse, that you can assign to users and groups.

[+ Add New Role](#)


Admin - A person who has all permissions for dataverses, datasets, and files. 

[AddDataverse](#) [AddDataset](#) [ViewUnpublishedDataverse](#) [ViewUnpublishedDataset](#) [DownloadFile](#) [EditDataverse](#) [EditDataset](#) [ManageDataversePermissions](#) [ManageDatasetPermissions](#)


[PublishDataverse](#) [PublishDataset](#) [DeleteDataverse](#) [DeleteDatasetDraft](#)

Contributor - For datasets, a person who can edit License + Terms, and then submit them for review. 


[ViewUnpublishedDataset](#) [DownloadFile](#) [EditDataset](#) [DeleteDatasetDraft](#)

Curator - For datasets, a person who can edit License + Terms, edit Permissions, and publish datasets. 


[AddDataverse](#) [AddDataset](#) [ViewUnpublishedDataverse](#) [ViewUnpublishedDataset](#) [DownloadFile](#) [EditDataset](#) [ManageDatasetPermissions](#) [PublishDataset](#) [DeleteDatasetDraft](#)

Dataset Creator - A person who can add datasets within a dataverse. 


[AddDataset](#)

Dataverse + Dataset Creator - A person who can add subdataverses and datasets within a dataverse. 


[AddDataverse](#) [AddDataset](#)

Dataverse Creator - A person who can add subdataverses within a dataverse. 

[AddDataverse](#)

File Downloader - A person who can download a published file. 

[DownloadFile](#)

Member - A person who can view both unpublished dataverses and datasets. 

[ViewUnpublishedDataverse](#) [ViewUnpublishedDataset](#) [DownloadFile](#)



Permissions, workflows and roles

Assign Role

Grant permissions to users and groups by assigning them a role.

Users/Groups *

Role *

- Admin
- Contributor
- Curator
- File Downloader
- Member

These are the permissions associated with the selected role.

Save Changes

Cancel

Grant File Access

Grant file access to users and groups.

Users/Groups

Selecting 0 of 20 Restricted Files

<input type="checkbox"/>	File Name
<input type="checkbox"/>	00097_Early_Head_Start_B1C_ruf.sd2
<input type="checkbox"/>	00097_Early_Head_Start_B1C_ruf.tab
<input type="checkbox"/>	00097_Early_Head_Start_B1H_ruf.sd2
<input type="checkbox"/>	00097_Early_Head_Start_B1H_ruf.tab
<input type="checkbox"/>	00097_Early_Head_Start_B2C_ruf.sd2
<input type="checkbox"/>	00097_Early_Head_Start_B2C_ruf.tab
<input type="checkbox"/>	00097_Early_Head_Start_B2H_ruf.sd2
<input type="checkbox"/>	00097_Early_Head_Start_B2H_ruf.tab
<input type="checkbox"/>	00097_Early_Head_Start_B2K_ruf.sd2
<input type="checkbox"/>	00097_Early_Head_Start_B2K_ruf.tab

Grant

Cancel



Today's Agenda

What is The Dataverse Project?

The Harvard Dataverse Repository

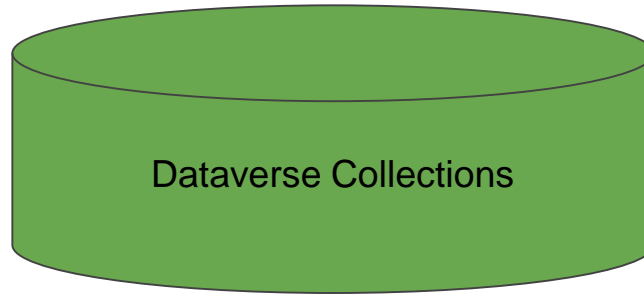
How the Dataverse software supports research data sharing

Dataverse collections, datasets, and files

Dataverse and FAIR data principles

A Dataverse Installation

- Development Team
- Curation Team
- User support
- Institutional/Organization data repository
- Governance, preservation, stewardship, funding
- What data will you support?
- How much data can you support?
- Institutional collaborations (Library, IT, Sponsored research, etc...)
- Who will curate your content? (self-curated (Harvard Dataverse), staff curated, mixed method? etc...)
- Will you support integrated tools? (Data explorer (visualization, analysis), DataTags (sensitive data), etc...)
- Data management policies, best practices
- **GDCC member**



- Metadata
- Searchable facets
- Holds datasets

Customizable with descriptions, logos, collection space URLs, affiliation, contact emails, permissions, metadata and searchable facets. **Dataverse collections hold datasets.**

HARVARD
Dataverse

Add Data ▾ Search ▾ About User Guide Support Sonia Barbosa

New Dataverse

*Asterisks indicate required fields

Host Dataverse ⓘ

Dataverse Name * ⓘ

Affiliation ⓘ

Identifier * ⓘ

Storage ⓘ

Category * ⓘ

Description ⓘ
This field supports only certain [HTML tags](#).

Email * ⓘ

Metadata Fields

Choose the metadata fields to use in dataset templates and when adding a dataset to this dataverse.

- Use metadata fields from Harvard Dataverse
- Citation Metadata (Required) [\[+\] View fields](#)
- Geospatial Metadata [\[+\] View fields](#)
- Social Science and Humanities Metadata [\[+\] View fields](#)
- Astronomy and Astrophysics Metadata [\[+\] View fields](#)
- Life Sciences Metadata [\[+\] View fields](#)
- Journal Metadata [\[+\] View fields](#)

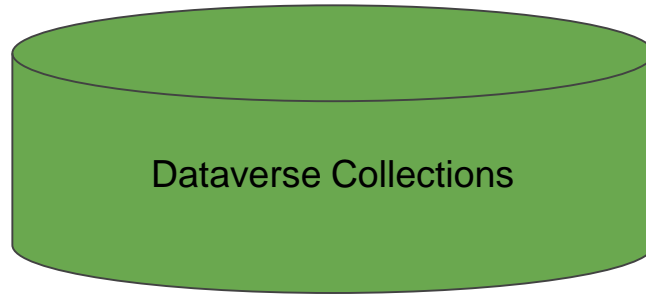
Browse/Search Facets

Choose the metadata fields to use as facets for browsing datasets and dataverses in this dataverse.

- Use browse/search facets from Harvard Dataverse

All Metadata Fields ▾

	Selected
Keyword Term	Subject
Topic Classification Term	Author Name
Language	Author Affiliation
Producer Name	
Production Date	
Contributor Type	
Contributor Name	
Grant Information Grant	



- General Information - edit your metadata, facets, description
- Theme + Widgets - customize, add widget to your website
- Permissions
- Groups
- Dataset Templates - customize consistent data deposits, terms, etc...
- Dataset Guestbooks - who is using your data and why?
- Featured Dataverses - highlight your nested Dataverse collections

IFPRI Dataverse (International Food Policy Research Institute) [Home](#)[Harvard Dataverse](#) >[Contact](#) [Share](#)

The [International Food Policy Research Institute \(IFPRI\)](#) views the products of its research, including research datasets, as global public goods, and is committed to enabling their widespread distribution and use.

This is in keeping with the [IFPRI Research Data Management and Open Access \(RDMOA\) Policy](#) and the [CGIAR Open Access and Data Management Policy](#).

The IFPRI Dataverse comprises datasets collected during the course of IFPRI research. These datasets include tables in various standard formats, survey instruments, codebooks, metadata, and other associated documentation. The [Terms of Use](#) require proper attribution of these datasets to IFPRI and any named authors.

Please direct questions about IFPRI datasets to [IFPRI-Data](#) or [IFPRI-Library](#). For information on the latest resources and news on research data management, please visit [IFPRI's Research Data](#) website.

RESEARCH PROGRAM ON
Agriculture for
Nutrition
and Health
led by IFPRICGIAR Research Program on
Agriculture for Nutrition and
Health (A4NH)

Africa RISING Dataverse

ASTI
led by IFPRI
Agricultural Science and
Technology Indicators (ASTI)
DataverseHarvestChoice
BETTER CHOICES, BETTER LIVES
IFPRI HarvestChoice Dataverse [Dataverses \(9\)](#) [Datasets \(602\)](#) [Files \(11,208\)](#)**Dataverse Category**

Research Project (8)

Research Group (1)

Publication Year

2021 (36)

2020 (97)

2019 (75)

2018 (66)

2017 (100)

[More...](#)**Topic Classification Term**

Agricultural research ((AGROVOC)) (120)

Nutrition ((AGROVOC)) (104)

Impact assessment ((AGROVOC)) (88)

Health ((AGROVOC)) (69)

Social accounting matrix ((STW Thesaurus for
Economics)) (65)[More...](#)**Keyword Term**

AFRICA (215)

AFRICA SOUTH OF SAHARA (203)

EAST AFRICA (114)

nutrition (98)

Africa (96)

[More...](#)**Series Name**Household- and Community-level Surveys
(262)

Country Level Data (88)

Social Accounting Matrix (SAM) (69)

Biophysical Surveys (41)

Experimental Data (34)

[More...](#)**Geographic Coverage Country / Nation**

Ethiopia (77)

Tanzania, United Republic of (62)

Bangladesh (60)

Ghana (46)

Malawi (43)

[More...](#)**Grant Information Grant Agency**



NC DOCKS Dataverse

UNC Dataverse > NC DOCKS Dataverse

[✉ Contact](#) [↗ Share](#)

NC DOCKS (NC Digital Online Collection of Knowledge and Scholarship) is an open-access database for collecting, preserving, and disseminating the scholarly and creative works of faculty and students for select University of North Carolina institutions. The NC DOCKS Dataverse contains data deposited by researchers working at affiliated institutions including Appalachian State University, East Carolina University, University of North Carolina at Greensboro, University of North Carolina at Wilmington, and Western Carolina University.



Search this dataverse...

Find

[Advanced Search](#) [Dataverses \(7\)](#) [Datasets \(25\)](#) [Files \(107\)](#)

1 to 10 of 32 Results

Sort ▾

Associations of Tobacco Retailer Density and Proximity with Adult Tobacco Use and Health Outcomes: A Meta-Analysis
Apr 16, 2021 - East Carolina University Dataverse

 [Dataverses \(7\)](#) [Datasets \(25\)](#) [Files \(107\)](#)**Dataverse Category**[Organization or Institution \(2\)](#)[Researcher \(2\)](#)**Publication Year**[2013 \(5\)](#)[2016 \(5\)](#)[2019 \(5\)](#)[2020 \(5\)](#)[2012 \(3\)](#)[More...](#)**Author Name**[Lee, Joseph \(9\)](#)[Averett, Paige \(3\)](#)[Cohen, Dale \(2\)](#)[Henriksen, Lisa \(2\)](#)[Li, Zhijin \(2\)](#)[More...](#)**Subject**[Medicine, Health and Life Sciences \(10\)](#)[Social Sciences \(9\)](#)[Earth and Environmental Sciences \(6\)](#)**Production Date**[2012 \(4\)](#)[2013 \(2\)](#)[2014 \(2\)](#)[2016 \(2\)](#)[1988 \(1\)](#)[More...](#)

Datasets

A stack of three light yellow papers with a wavy bottom edge, representing a collection of files.

Files

A stack of three light yellow papers with a wavy bottom edge, representing a collection of metadata.

Metadata

A stack of three red papers with a wavy bottom edge, representing a collection of terms.

Terms

A stack of three yellow papers with a wavy bottom edge, representing a collection of versions.

versions

Datasets

Access Dataset ▾

Edit Dataset ▾

Contact O

Dataset Metr

0 Downloads

Files (Upload)

Metadata

Terms

Permissions ▶

Private URL

Thumbnails + Widgets

Deaccession Dataset

Datasets

Replication Data for: Democratic Subversion: Elite Cooptation and Opposition Fragmentation

Deaccessioned



Jun 8, 2021

Arriola, Leonardo R.; DeVaro, Jed; Meng, Anne, 2021, "Replication Data for: Democratic Subversion: Elite Cooptation and Opposition Fragmentation", <https://doi.org/10.7910/DVN/GHDKSY>, Harvard Dataverse, V1, DEACCESSIONED VERSION, UNF:6:Nk/xhGPVreurGI55KFcKrQ== [fileUNF]

The dataset has been transferred to another repository



[Africa RISING Dataverse](#) (International Food Policy Research Institute (IFPRI))

Africa RISING

[Harvard Dataverse](#) > [IFPRI Dataverse](#) > [Africa RISING Dataverse](#) >

Assessment of Land Degradation in Semi-Arid Zone of Central Tanzania

Version 1.0



International Institute of Tropical Agriculture (IITA); University of Bonn, Germany, 2021, "Assessment of Land Degradation in Semi-Arid Zone of Central Tanzania", <https://doi.org/10.7910/DVN/HADLCK>, Harvard Dataverse, V1, UNF:6:jU30uW/R5JgiHw7dPr5iuQ== [fileUNF]

[Cite Dataset ▾](#)

[Learn about Data Citation Standards.](#)

Contact Owner

Share

Dataset Metrics 

0 Downloads 

Datasets

Description

A sub-national field assessment of land degradation was conducted in the Kongwa districts of Tanzania in December 2019. 34 sampling plots were selected using a stratified sampling method based on a land cover map. One site that hosts Africa RISING technologies on land rehabilitation was purposely selected to act as a control. The primary sampling plots measured 100*100m and were subdivided into replicate sub-plots measuring 30x30m. A sub-sample of 3 sub-plots was selected in each primary plot for assessment of land degradation. The observations from 3 subplots (30*30) were averaged to obtain an aggregate value for the larger plot (100x100m). The antecedent biophysical conditions in the sampling plot were recorded i.e. the land use, degree of slope, topographical position, soil color, crop types grown and land tenure. The percentage of area that was undegraded in each plot was also estimated separately.

[Read full Description \[+\]](#)

Subject

Agricultural Sciences

Keyword

land degradation, sustainable agriculture, soil erosion, TANZANIA, EAST AFRICA, AFRICA SOUTH OF SAHARA, AFRICA

Notes

If you are interested in accessing restricted datasets, kindly fill out this [data use agreement form](#).

Files

Metadata

Terms

Versions

Search this dataset...



Filter by

File Type: All

Access: All

File Tag: All

Sort

1 to 2 of 2 Files



Field_protocol

Adobe PDF - 334.1 KB

Published May 26, 2021


0 Downloads

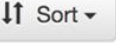
MD5: 041...e2d









Datasets - files

Files Metadata Terms Versions

Search this dataset... 

Filter by
File Type: All Access: All File Tag: All 

1 to 2 of 2 Files

<input type="checkbox"/>	 Field_protocol Adobe PDF - 334.1 KB Published May 26, 2021 0 Downloads MD5: 041...e2d 	
<input type="checkbox"/>	 landDegradation_SLM_Kongwa.tab Tabular Data - 9.9 KB Published May 26, 2021 0 Downloads 73 Variables, 34 Observations UNF:6;jU30...iuQ== 	

Data

Datasets - tabular files

The screenshot shows a list of four tabular datasets. Each entry includes a file icon, a title, file size, publication date, download count, and variable/observation statistics. A dropdown menu is open for the first dataset, showing options for file access, download formats, and data exploration. Red arrows point from the 'View Data' and 'Data Explorer' options in the menu to the right side of the interface.

File Icon	Dataset Title	File Size	Published	Downloads	Variables	Observations	UNF
	004_SectionA1_HHD15yrsandabove.tab	26.5 KB	May 7, 2021	3	13	852	UNF:6:k4D7...x2w==
	005_SectionA2_Childbelow15.tab	5.8 KB	May 7, 2021	1	11	212	UNF:6:K7Eg...h7w==
	006_SectionB1_MigrationandInsecurity.tab	11.3 KB	May 7, 2021	1	9	211	UNF:6:FJOT...o3w==
	007_SectionB2_ImpactofMigration.tab	15.1 KB	May 7, 2021	0	0	0	UNF:6:K7Eg...h7w==

- File Access
- Public
- Download Options
- Stata 14 Binary (Original File Format)
- Tab-Delimited
- RData
- Download Metadata
- Variable Metadata
- Data File Citation
- Explore Options
- View Data
- Data Explorer

Supported File Formats

Tabular Data ingest supports the following file formats:

File format	Versions supported
SPSS (POR and SAV formats)	7 to 22
STATA	4 to 15
R	up to 3
Excel	XLSX only (XLS is NOT supported)
CSV (comma-separated values)	(limited support)

See the subsections in the left sidebar for more information on each of these supported formats.

Datasets - tabular files

Third National Fadama Development Financing II Impact Study Household Survey in Bauchi

004_SectionA1_HHD15yrsandabove.tab

International Food Policy Research Institute (IFPRI), 2021, "Third National Fadama Development Financing II Impact Study Household Survey in Bauchi", <https://doi.org/10.7910/DVN/AEROHZ>, Harvard Dataverse, V1, UNF:6:tU65LD7Bc0cPp97DKCBHQ== [fileUNF]

ID	Name	Label	C
22529304	householdid	household ID	
22529305	memname	Name of HH member who is above 15 years old	
22529302	age	Age of member	
22529309	reltohhh	Relationship to household head	7
22529307	otherreltohh	Other relationship to household head (specify)	
22529311	gender	Gender of member	2
22529301	educvl	Highest Level of education	9
22529299	othereducvl	Other level of education(specify)	
22529303	priactivity16	Primary activity in 2016	2
22529308	othpriactivity16	Other primary activity(specify)in 2016	

Chart View Table View

Variable educvl: Highest Level of education

Values	Categories
8	Koranic education
5	Some secondary education (Incl. Junior secondary school)
2	Adult literacy training
1	No formal education
99	Others
7	Post-secondary education
6	Completed secondary education
3	Some primary education
4	Completed primary education

Summary Statistics

Variable othpriactivity16: Other primary activity(specify)in 2016

Values	Categories
--------	------------

Summary Statistics

Variable priactivity16: Primary activity in 2016

Values	Categories
14	Student in school (any type)
2	Livestock production
7	Transportation business
10	Construction
18	Artisans(Incl. Mechanics)
3	Fisheries
12	Public sector employment
13	Domestic duties
4	Forest production and/or harvesting
15	Retired

<https://guides.dataverse.org/en/latest/user/tabulardataingest/index.html>

<https://github.com/scholarsportal/dataverse-data-explorer-v2>

Datasets - file previewer

Preview

Metadata

Versions

Explore on View Data

	householdid	memname	age	reltohh	otherreltohh	gender	educlvl	othereduclvl	priactvty16	othpriactvty16	priactvty18
5	2060154		25	3		1	7		14		14
6	2060154		18	3		2	5		14		14
7	2060156		61	1		1	4		6		1
8	2060156		17	3		2	6		14		13
9	2060156		15	3		1	6		14		16
10	2060156		32	2		2	8		18		18
11	2060157		52	1		1	4		5		5
12	2060157		37	2		2	4		5		5
13	2060157		32	3		1	6		5		5
14	2060157		32	3		2	4		8		8
15	2060158		48	1		1	6		5		5
16	2060158		25	2		2	4		8		8
17	2060158		17	3		1	5		14		14
18	2060158		16	3		1	5		5		14
19	2060159		48	1		2	4		7		5
20	2060159		21	3		1	5		6		14
21	2060159		17	3		2	5		6		14
22	2060159		15	3		2	4		2		13
23	2060160		80	1		1	3		3		4
24	2060160		50	2		2	4		6		4
25	2060160		30	3		1	5		8		16
26	2060160		25	3		2	4		5		16
27	2060161		70	1		1	4		8		8
28	2060161		50	2		2	1		8		5
29	2060161		30	3		1	6		5		8
30	2060152		27	3		1	6		5		14
31	2060153		48	1		2	4		1		8

Datasets - metadata

Detailed below are what **metadata** schemas we support for Citation and Domain Specific Metadata in the Dataverse Project:

- **Citation Metadata**: compliant with [DDI Lite](#), [DDI 2.5 Codebook](#), [DataCite 3.1](#), and Dublin Core's [DCMI Metadata Terms](#) (see [.tsv version](#)). Language field uses [ISO 639-1](#) controlled vocabulary.
- **Geospatial Metadata**: compliant with [DDI Lite](#), [DDI 2.5 Codebook](#), [DataCite](#), and Dublin Core (see [.tsv version](#)). Country / Nation field uses [ISO 3166-1](#) controlled vocabulary.
- **Social Science & Humanities Metadata**: compliant with [DDI Lite](#), [DDI 2.5 Codebook](#), and Dublin Core (see [.tsv version](#)).
- **Astronomy and Astrophysics Metadata** : These **metadata** elements can be mapped/exported to the International Virtual Observatory Alliance's (IVOA) [VOResource Schema format](#) and is based on [Virtual Observatory \(VO\) Discovery and Provenance Metadata](#) (see [.tsv version](#)).
- **Life Sciences Metadata**: based on [ISA-Tab Specification](#), along with controlled vocabulary from subsets of the [OBI Ontology](#) and the [NCBI Taxonomy for Organisms](#) (see [.tsv version](#)).
- **Journal Metadata**: based on the [Journal Archiving and Interchange Tag Set, version 1.2](#) (see [.tsv version](#)).

See also the [Dataverse Software 4.0 Metadata Crosswalk: DDI, DataCite, DC, DCTerms, VO, ISA-Tab](#) document and the [Metadata Customization](#) section of the Admin Guide.

Datasets - metadata

Metadata Fields

Choose the metadata fields to use in dataset templates and when adding a dataset to this dataverse.

Use metadata fields from Harvard Dataverse

- Citation Metadata (Required) [\[+\] View fields](#)
- Geospatial Metadata [\[+\] View fields](#)
- Social Science and Humanities Metadata [\[+\] View fields](#)
- Astronomy and Astrophysics Metadata [\[+\] View fields](#)
- Life Sciences Metadata [\[+\] View fields](#)
- Journal Metadata [\[+\] View fields](#)

Files Metadata Terms Versions

Export Metadata

Citation Metadata

Dataset Persistent ID doi:10.7910/DVN/HADLCK

Publication Date 2021-05-26

Title Assessment of Land Degradation in Semi-Arid Zone of Central Tanzania

Author International Institute of Tropical Agriculture (IITA)
University of Bonn, Germany

Contact Use email button above to contact.
Muthoni, Francis (International Institute of Tropical Agriculture (IITA))

Description A sub-national field assessment of land degradation was conducted in the Kongwa districts of Tanzania in December 2019. 34 sampling plots were selected using a stratified sampling method based on a land cover map. One site that hosts Africa RISING technologies on land rehabilitation was purposely selected to act as a control. The primary sampling plots measured 100*100m and were subdivided into replicate sub-plots measuring 30x30m. A sub-sample of 3 sub-plots was selected in each primary plot for assessment of land degradation. The observations from 3 subplots (30*30) were averaged to obtain an aggregate value for the larger plot (100x100m). The antecedent biophysical conditions in the sampling plot were recorded i.e. the land use, degree of slope, topographical position, soil color, crop types grown and land tenure. The percentage of area that was undegraded in each plot was also estimated visually.

A questionnaire for mapping land degradation and sustainable land management was applied for visual assessment of the type, extent, degree, and direct causes of land degradation. The different types of land degradation, for example erosion by water, were scored whether they are present or not, in addition to their extent and degree (intensity). The extent represented the proportion of a sub-plot covered by different types of land degradation, the degree was divided into 4 classes in ascending order of intensity of land degradation (0 = Light, 1 = Moderate, 2 = Strong, 3 = Severe). Moreover, the type, purpose, extent, and effectiveness of sustainable land management practices (SLM) were visually assessed in every subplot. Data were recorded using the mobile-based KoboCollect toolbox and transmitted to a cloud database for storage and descriptive analysis.


Subject Agricultural Sciences

Keyword land degradation (AGROVOC) http://aims.fao.org/aos/agrovoc/c_34823
sustainable agriculture (AGROVOC) http://aims.fao.org/aos/agrovoc/c_33561
soil erosion (AGROVOC) http://aims.fao.org/aos/agrovoc/c_2651
TANZANIA (AGROVOC) http://aims.fao.org/aos/agrovoc/c_7608
EAST AFRICA (AGROVOC) http://aims.fao.org/aos/agrovoc/c_2442
AFRICA SOUTH OF SAHARA (AGROVOC) http://aims.fao.org/aos/agrovoc/c_166
AFRICA (AGROVOC) http://aims.fao.org/aos/agrovoc/c_165

Topic Classification Natural resources (AGROVOC) http://aims.fao.org/aos/agrovoc/c_5091
Sustainable agriculture (AGROVOC) http://aims.fao.org/aos/agrovoc/c_33561

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Language English

Producer International Institute of Tropical Agriculture (IITA) <https://www.iita.org> 

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(December 2019)

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Datasets - versions

[Files](#)[Metadata](#)[Terms](#)[Versions](#)

Dataset	Summary	Contributors	Published
1.0	This is the first published version.	IFPRI KM	May 26, 2021



Today's Agenda

What is The Dataverse Project?

The Harvard Dataverse Repository

How the Dataverse software supports research data sharing

Dataverse collections, datasets, and files

Dataverse and FAIR data principles



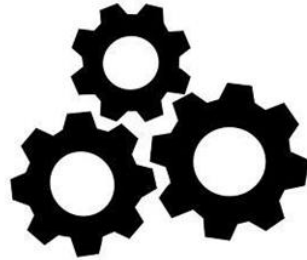
FAIR principles and Dataverse

Findable

Accessible

Interoperable

Reusable





The Dataverse Project RoadMap

The Strategic Goals of the Dataverse Project are our highest-level guide. These goals are to:

- increase adoption (users, Dataverse repositories, Dataverse collections, datasets, journals)
- develop capability to handle sensitive, large scale, and streaming data
- expand data and metadata features for existing and new disciplines
- expand archival and preservation features
- increase interoperability through implementation of standards
- increase contributions from the open-source development community
- improve UX and UI
- continue to increase the quality of the software



THANK YOU!

support@dataverse.harvard.edu